

Recombinant Macaque EBI3 subunit (IL-27/IL-35) Protein

Cat. No. EBI3-70M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Macaque EBI3 subunit (IL-27/IL-35) Protein without tag was expressed in E. coli.
Species	Macaque
Source	E.coli
Description	Epstein-Barr virus induced gene 3 (EBI3) is a secreted glycoprotein belonging to the hematopoietin receptor family related to the p40 subunit of interleukin 12 (IL-12). EBI3 expression is induced in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 forms heterodimers with p28 to form interleukin 27 (IL-27), and with p35 to form interleukin 35 (IL-35). Both IL-27 and IL-35 have anti-inflammatory and regulatory activity.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 23.4 kDa (210 aa)
AA Sequence	MRKGPPAALTLPVQCRAPIRYPIAVDCSWTLPPAPNSTSPVSFIATYRFGMAARGH SWPCLQQTTPASTSCTIADVRLFSMAPYVLNVTAVHPWGSSSSFVPFIAEHIKPDPE GVRLSPLAERQLQVQWEPPRSWPFPEIFSLKYWIRYKRQGAARFHQVGPIEATSFIL RAVRPRARYCVQVAAQDLTDYGELSDWSLPATTMSPGK
Endotoxin	≤1 EUs/μg, Kinetic LAL

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Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile 20 mM HCl at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	EBI3 Epstein-Barr virus induced 3 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	EBI3
Synonyms	EBI3; Epstein-Barr virus induced 3; interleukin-27 subunit beta; IL27 subunit; IL35 subunit; cytokine receptor; IL-27 subunit beta; EBV-induced gene 3 protein; Epstein-Barr virus induced gene 3; epstein-Barr virus-induced gene 3 protein; IL27B; IL-27B;
Gene ID	102144621

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mRNA Refseq	XM_005587557
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Protein Refseq	XP_005587614
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UniProt ID	A0A2K5WPB7
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